

ABSTRACT OF THE DISCLOSURE

1 A valve timing control system for an internal combustion engine has: a drive
2 force transmitter or a chain sprocket; a cam shaft; a housing, a vane rotor; an
3 advanced angle chamber and a delayed angle chamber; an oil pressure conveyer; a
4 protrusion shaft; a target plate; and a sensor. The protrusion shaft is formed on at
5 least one of the vane rotor and the housing, and protrudes forward. The target plate is
6 mounted on at least one of the vane rotor and the housing. The target plate is formed
7 substantially flat through a press molding, and is press fitted to the protrusion shaft.
8 The target plate has a plurality of detector protrusions and one index protrusion. The
9 detector protrusion and the index protrusion are equal in width.